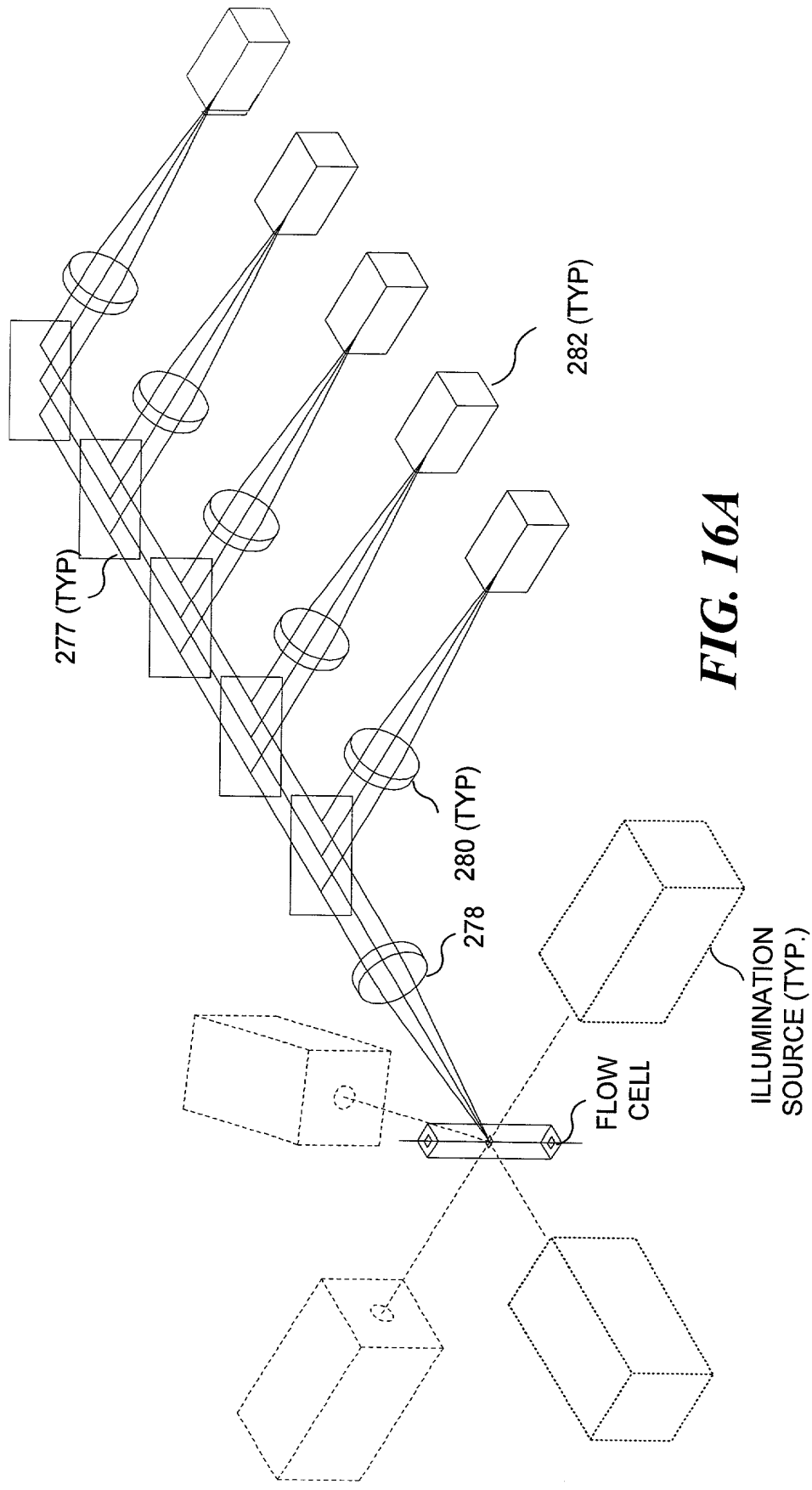
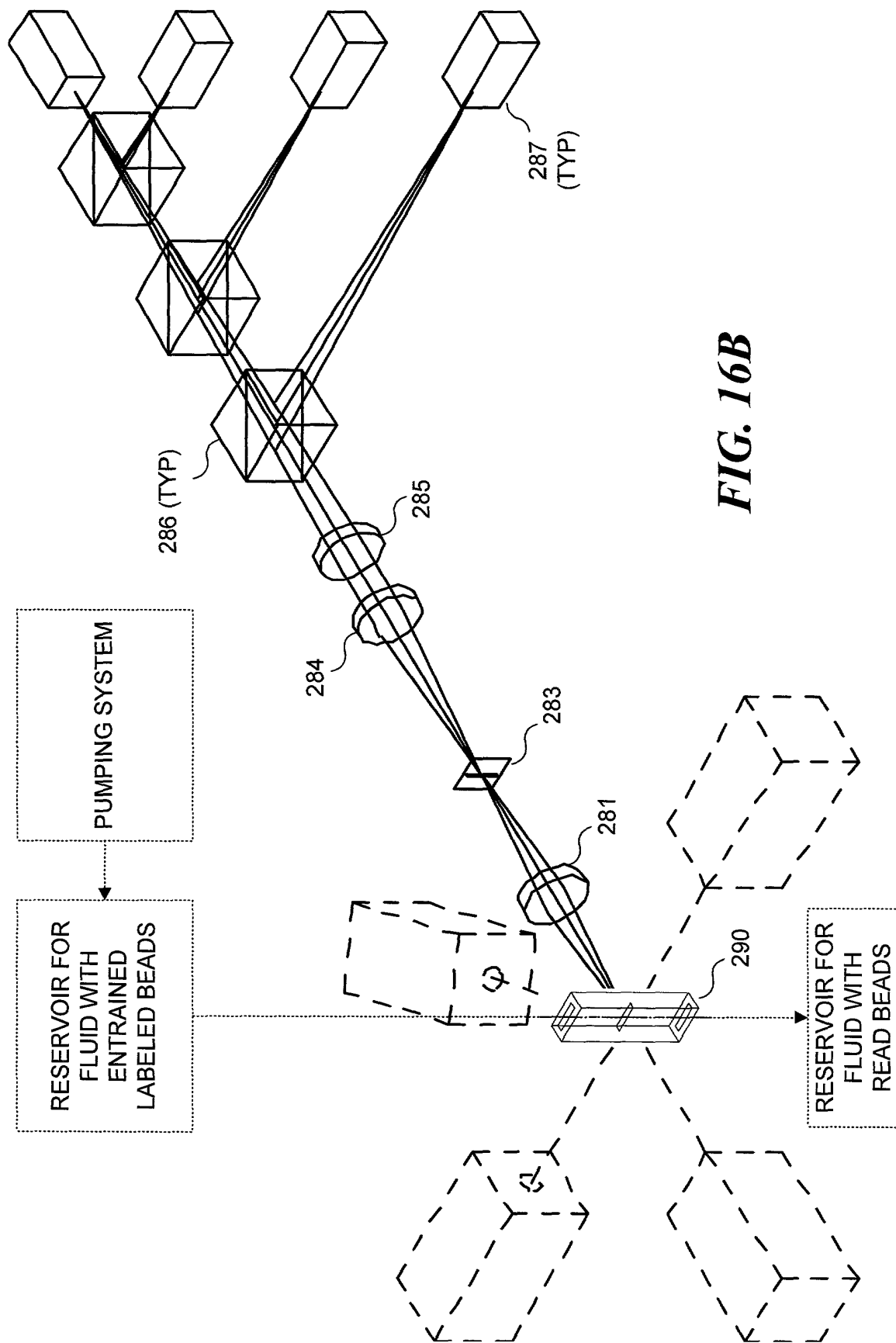


FIG. 16A is a schematic diagram of an optical system for a flow cell. The system includes an illumination source (277) that emits light through a series of lenses (278, 280) and mirrors (282) to illuminate a flow cell (278). The flow cell is shown in a dashed outline, indicating its position relative to the optical components. The diagram illustrates the path of light from the source through the lenses and mirrors to the flow cell, and the resulting light path from the flow cell through the lenses and mirrors to the detectors (282).



**FIG. 16A**



**FIG. 16B**